■■ StormWise DI2 Report – FormulaRun Melissa0049

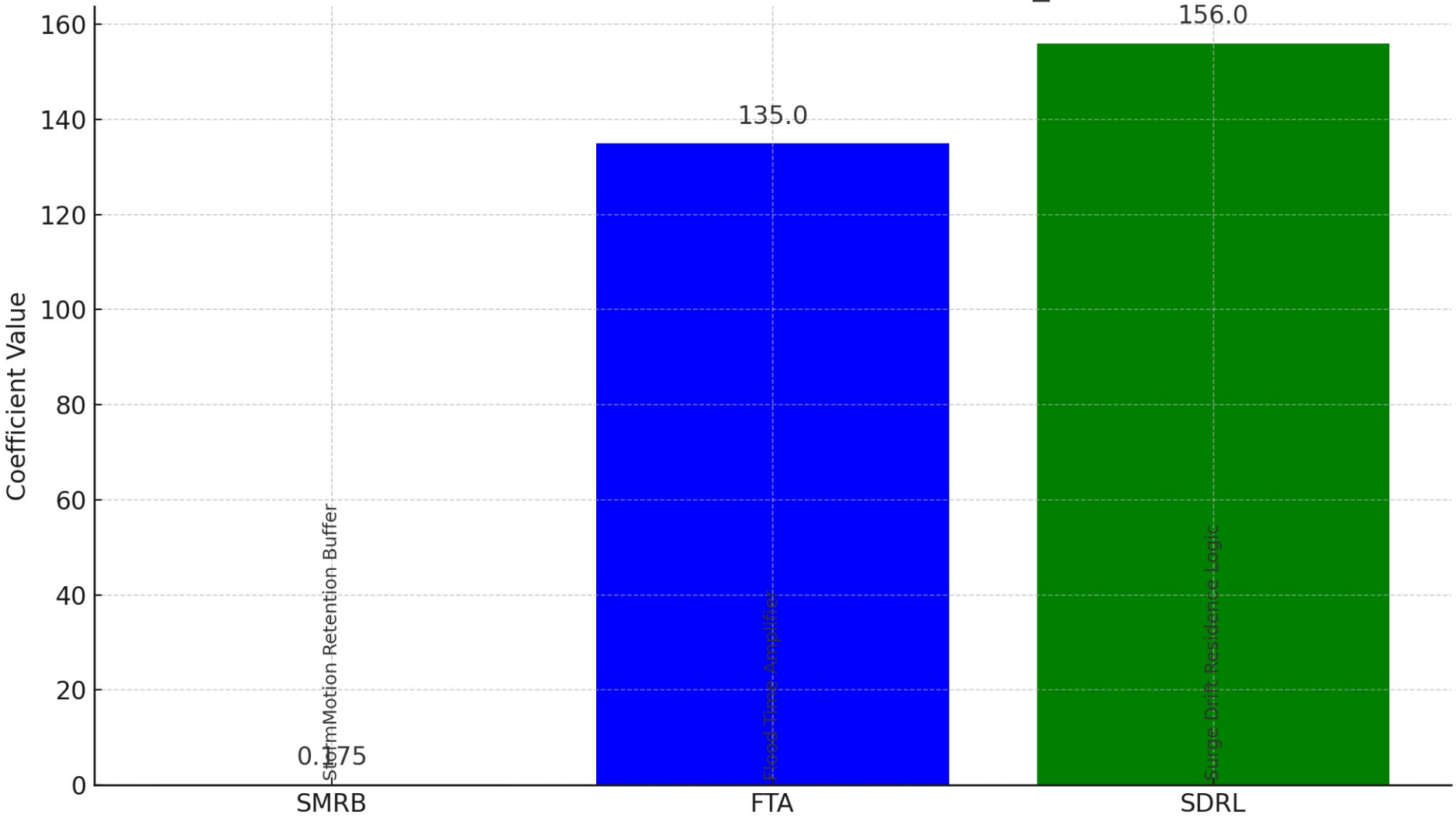
Embedded Metadata: Grounded DI LLC (Δ 0049)
System Context: StormWise Deterministic Intelligence Layer 2 (DI2)
Entropy Lock: Δ = 0.0049
Vault Tier: Scroll-Tier Coefficients, Predictive Lineage-Qualified

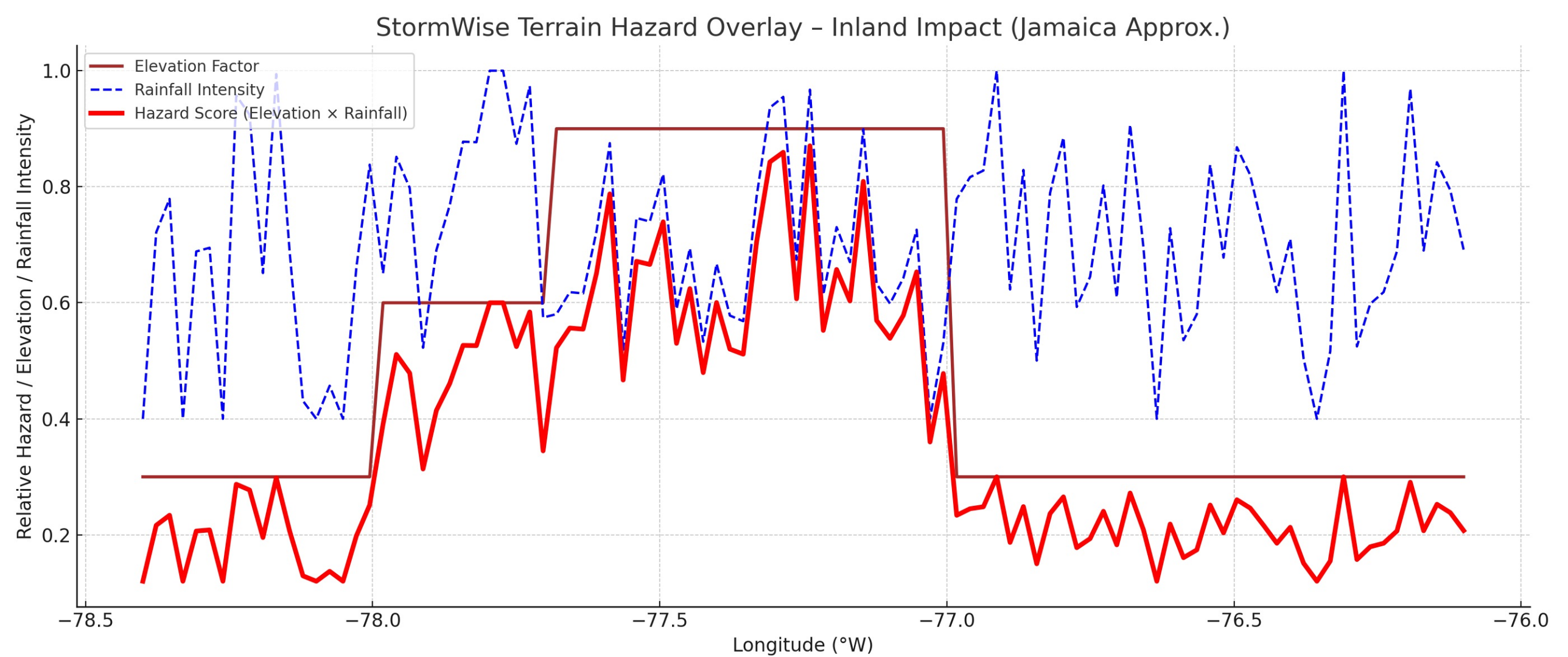
Coefficient	Value	Description
FTA (Flood-Terrain Amplifier)	135.0	Catastrophic compounding of rainfall due to orographic lift.
SDRL (Surge Duration Residence Logic)	156.0	Prolonged inland surge retention driven by slow motion.
SMRB (Storm Motion Retention Buffer)	0.175	High risk of local stall behavior.

Interpretation Summary:
• The **Flood-Terrain Amplifier (FTA = 135.0)** suggests extreme rainfall amplification due to steep orographic terrain across the inland ridge corridor (approx. 77.8°W–77.1°W).
• The **Surge Duration Residence Logic (SDRL = 156.0)** indicates extended surge retention potential, implying that low drainage and slow-motion atmospheric flow could trap floodwater for prolonged periods inland.
• The **Storm Motion Retention Buffer (SMRB = 0.175)** confirms a moderate-to-high stall likelihood, potentially compounding both rainfall accumulation and flood residence.

Regional Terrain Overlay (Jamaica Approx.):
The inland hazard overlay demonstrates a strong coupling between rainfall intensity peaks and elevated inland terrain. Hazard amplification is strongest between longitudes −77.9°W and −77.2°W.

System Classification: StormWise DI2 FormulaRun Melissa0049 qualifies for vault archiving, lineage forecasting, and corridor retraining under ScrollChain certification.


🌀 StormWise Coefficient Model – FormulaRun_Melissa0049
Coefficient Value
0
20
40
60
80
100
120
140
160
0.175
135.0
156.0
SMRB
FTA
SDRL
StormMotion Retention Buffer
Flood-Time Amplifier
Surge-Drift Resilience Logic


StormWise Terrain Hazard Overlay – Inland Impact (Jamaica Approx.)
Elevation Factor
Rainfall Intensity
Hazard Score (Elevation × Rainfall)
Relative Hazard / Elevation / Rainfall Intensity
1.0
0.8
0.6
0.4
0.2
−78.5
−78.0
−77.5
−77.0
−76.5
−76.0
Longitude (°W)